If you are using a printed copy of this procedure, and not the on-screen version, then you <u>MUST</u> make sure the dates at the bottom of the printed copy and the on-screen version match.

The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.72.f LINAC Chipmunk Tests

C-A-OP	M Procedures in w	hich this Attachmen	t is used.
4.120.72			
	Hand Pr	ocessed Changes	
HPC No.	<u>Date</u>	Page Nos.	<u>Initials</u>
	Approved:	Signature on F	ile
Collider-Accelerator Department Chairman			

V. Castillo

4.120.72.f LINAC Chipmunk Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:	Checksum:		
Division B Software Filename and Checksum: Title:	Checksum:		
Initial testing complete:			
Test Team Leader's Name (Print):	Life Number:		
Test Team Leader's Name (Sign):	_ Date://		
Acceptance test procedure complete (following repairs and retesting if required) :		
Test Team Leader's Name (Print):			
1 con 1 con 2 con 5 1 con 6 (1 1 may).			
Test Team Leader's Name (Sign):			
Test results reviewed by:			
Safety Section Head's Name (Print):	Life Number:		
Safety Section Head's Name (Sign):	Date:/		
Salety Section fiead 8 Name (Sign).			
Test results accepted by Radiation Safety Committee:			
RSC Member's Name (Print):	_ Life Number:		
RSC Member's Name (Sign):			

1.1	Test of Chipmunk	NMO 62, area monitor, $$ located U/S of Linac Plug	Door
	IFY Chinmunk calibra	tion date [/] is	VALID
		ood physical condition and is	CHIRPING
		nunk keep-alive counts	O.K.
		cree-tested to MCR on//	OK
	~	0.00	
	Check for test acceptance	e of Chipmunk NMO 62	
1.2	Test of Chipmunk NMO	63 located at Linac Tank 4/5	
□ VI	ERIFY Chipmunk ca	alibration date [/] is	VALID
	ERIFY Chipmunk is	s in good physical condition and is	CHIRPING
	ERIFY MCR sees C	Opto monitor Chipmunk NMO 63	O.K.
	ERIFY At encl 4880	relay BK14 is	ON
DI	SCON NMO 63 fro	om Security interface box for failsafe test	
) relay BK14	OFF
		t Opto monitor NMO 63	IN'LOCK
		om MCR Opto monitor	
	ERIFY MCR sees N		OK
		relay BK14 is	ON
DE	RESS Trip button	on chipmunk NMO 63	
		O relay BK14	OFF
		t Opto monitor NMO 63	IN'LOCK
		om MCR Opto monitor	IN LOCK
	ERIFY MCR sees N		OK
		relay BK14 is	ON
	Check for acceptance of	Test Chipmunk NMO 63 located at Linac Tank 4/5	5
1.3	Test of Chipmunk NMO	68 located at Linac Tank 1	
□ VI	ERIFY Chipmunk ca	alibration date [/] is	VALID
	ERIFY Chipmunk is	s in good physical condition and is	CHIRPING
	ERIFY MCR sees a	t Opto monitor Chipmunk NMO 68	O.K.
	ERIFY At encl 4880	relay CK8 is	ON
DI	SCON NMO 68 FR	OM interface box for failsafe	
	ERIFY At encl 4880	relay CK8	OFF
□ VI	ERIFY MCR sees a	t Opto monitor NMO 68	IN'LOCK
RF	ESET NMO 68 fro	om MCR Opto monitor	
	ERIFY MCR sees N	NMO 68	OK
	ERIFY At encl 4880	relay CK8 is	ON
PR	RESS Trip button	on chipmunk NMO 68	
	ERIFY At encl 4880		OFF
		t Opto monitor NMO 68	IN'LOCK
		om MCR Opto monitor	
	ERIFY MCR sees N	_	OK
		relay CK8 is	ON
		Test Chipmunk NMO 68 located at Linac Tank 1	
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			August 22, 2006

1.4	Т	est of Chi	pmunk (# 1) NMO 61 located at BLIP Pump House	
	□ VE	CRIFY	Chipmunk calibration date [/] is	VALID
		RIFY	Chipmunk is in good physical condition and is	CHIRPING
		RIFY	MCR sees Opto monitor Chipmunk NMO 61	O.K.
		RIFY	At encl 4880 relay AK13 is	ON
	DIS	SCON	NMO 61 from Security interface box for failsafe test	
	\Box VE	CRIFY	At encl 4880 relay AK13	OFF
	\Box VE	CRIFY	MCR sees at Opto monitor NMO 61	IN'LOCK
	RE	SET	NMO 61 from MCR Opto monitor	
		CRIFY	MCR sees NMO 61	OK
	□ VE	CRIFY	At encl 4880 relay AK13 is	ON
	PR	ESS	Trip button on chipmunk NMO 61	
	\Box VE	RIFY	At encl 4880 relay AK13	OFF
	\Box VE	RIFY	MCR sees at Opto monitor NMO 61	IN'LOCK
	RE	SET	NMO 61 from MCR Opto monitor	
	\Box VE	CRIFY	MCR sees NMO 61	OK
	\Box VE	CRIFY	At encl 4880 relay AK13 is	ON
1.5	Т	est of Chi	pmunk (# 2) NMO 65 located at BLIP Pump House	
	\Box VE	RIFY	Chipmunk calibration date [/] is	VALID
		RIFY	Chipmunk is in good physical condition and is	CHIRPING
	\Box VE	RIFY	MCR sees Opto monitor Chipmunk NMO 65	O.K.
	\Box VE	RIFY	At encl 4880 relay BK15 is	ON
	DIS	SCON	NMO 65 from Security interface box for failsafe test	
		RIFY	At encl 4880 relay BK15	OFF
	-	RIFY	MCR sees at Opto monitor NMO 65	IN'LOCK
		SET	NMO 65 from MCR Opto monitor	
	\Box VE	RIFY	MCR sees NMO 65	OK
	□ VE	CRIFY	At encl 4880 relay BK15 is	ON
	PR	ESS	Trip button on chipmunk NMO 65	
	\Box VE	RIFY	At encl 4880 relay BK15	OFF
		CRIFY	MCR sees at Opto monitor NMO 65	IN'LOCK
		ESET	NMO 65 from MCR Opto monitor	
		RIFY	MCR sees NMO 65	OK
	□ VE	CRIFY	At encl 4880 relay BK15 is	ON
		Check for a	acceptance of Test Chipmunk (# 2) NMO 65 located at BLIP I	Pump House

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing:	
	Date://
TTL: Sign for completion of final testing:	
	Date:/